PHILIPS Lighting



CoreLine Downlight

DN140B LED10S/830 PSD-E C

DN140B | Coreline Downlight Gen4 - 830 warm white - Power supply unit with DALI interface - High-gloss mirror - Push-in connector and pull relief - IP20 | Finger-protected

CoreLine Downlight delivers on the CoreLine promise of innovative, easy to use and high-quality recessed downlights. The CoreLine Downlight range is suitable for oneto-one conventional luminaire replacements, with an attractive TCO that helps customers to make the switch to LED. These recessed downlights create uniform light distribution for use in general lighting applications. They also deliver instant energy savings and have a much longer lifetime, creating a real value-for-money and environmentally-friendly solution. CoreLine DN140B recessed downlights are easy to install thanks to their standard cut-out size and push-in connectors. An InterAct Ready option with integrated wireless communications is available in this family, which can be used with InterAct gateways, sensors and software.

Product data

General Information		Product family code	DN140B [Coreline Downlight Gen4]
Light source replaceable	No	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Performance
Driver included	Yes		
Remarks	*-Per Lighting Europe guidance paper	Light Technical	
	"Evaluating performance of LED based	Luminous Flux	1,100 lumen
	luminaires - January 2018": statistically	Saturated Red (R9)	<50
	there is no relevant difference in lumen	Correlated Color Temperature (Nom)	3000 K
	maintenance between B50 and for example	Luminous Efficacy (rated) (Nom)	96 lm/W
	B10. Therefore, the median useful life (B50)	Color rendering index (CRI)	≥80
	value also represents the B10 value.	Beam angle of light source	120 degree(s)
Service tag	Yes	Light source color	830 warm white

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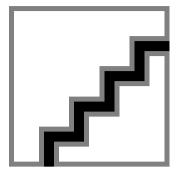
Ontic type		
Optic type	- 60°	
Luminaire light beam spread		
Unified glare rating CEN	22	
Operating and Electrical		
	220-240 V	
Input Voltage	50 to 60 Hz	
Line Frequency Input Frequency	50 to 60 Hz	
Initial CLO power consumption	- W	
Average CLO power consumption	- W	
Power Consumption	- W	
End CLO power consumption		
Inrush current	20.4 A	
	0.195 ms	
Power Factor (Fraction)	0.9	
Connection	Push-in connector and pull relief	
Cable	-	
Number of products on MCB of 16 A type	24	
В		
Temperature		
Ambient temperature range	-20 to +40 °C	
Ambient temperature range	-2010 40 C	
Controls and Dimming		
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit with DALI interface	
	external	
Control interface	DALI	
Constant light output	No	
Mechanical and Housing		
Housing Material	Aluminium	
Reflector material	Polycarbonate aluminum coated	
Optic material	Polycarbonate	
Fixation material	Steel	
Housing Color	White	
D-A-stev Sinish	High-gloss reflector	
Reflector Finish	Tigh-gloss reliector	
Overall length	0 mm	
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Overall length	0 mm	
Overall length Overall width	0 mm 0 mm	
Overall length Overall width Overall height	0 mm 0 mm 100 mm	

Approval and Application				
Ingress protection code	IP20 [Finger-protected]			
Mech. impact protection code	IK02 [0.2 J standard]			
Sustainability rating	-			
Protection class IEC	Safety class I			
Glow-wire test	Temperature 850 °C, duration 5 s			
Flammability mark	For mounting on normally flammable			
	surfaces			
CE mark	Yes			
ENEC mark	-			
Warranty period	5 years			
EU RoHS compliant	Yes			
Initial Performance (IEC Compliant)				
Luminous flux tolerance	+/-10%			
Initial chromaticity	(0.433,0.405) SDCM≦5			
Power consumption tolerance	+/-10%			
Over Time Performance (IEC Compliant)				
Driver failure rate at 5000 h	1%			
Control gear failure rate at median useful	5 %			
life 50000 h				
Lumen maintenance at median useful life*	L70			
50000 h				
Application Conditions				
Performance ambient temperature Tq	25 ℃			
Maximum dim level	1%			
Suitable for random switching	Yes			
Product Data				
Full product code	871016332590300			
Order product name	DN140B LED10S/830 PSD-E C			
Order code	911401632005			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	1			
Material number (12NC)	911401632005			
Full product name	DN140B LED10S/830 PSD-E C			
EAN/UPC - Case	8710163325903			



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Dimensional drawing





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